

Product datasheet for **SC320154**

GTSE1 (NM_016426) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GTSE1 (NM_016426) Human Untagged Clone
Tag:	Tag Free
Symbol:	GTSE1
Synonyms:	B99
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_016426.4
 GCGGCGGCCGCGATGAGCCTTCAGCCTGCCGGGCAGGGGACGTGAACATGGATGACCCTA
 AGAAGGAAGACATTCTTCTTTGGCCGATGAAAAATTTGACTTCGATCTTTCATTGTCTT
 CTTGAGTGCAAAATGAAGATGATGAAGTCTTCTCGGACCCTTTGGACATAAAGAAAGAT
 GTATTGCTGCCAGCTTGAATTAATAATCCGGTTCGCCAACAGCCTCCGTTGCCACAT
 CTGAGAGTCCCTTTGCCCTGGAGCCCTCTGGCCGGGAGAAGTTCGTGGAGGTGTACAAAG
 AAGCTCACTTACTGGCTTTACACATTGAGAGCAGCAGCCGGAACCAGGCAGCCCAAGCTG
 CCAAGCCTGAAGACCCTCGGAGCCAGGGCGTGGAAAGATTATACAGGAGTCAAAATTA
 AAATAAACCTCTTTGAGAAAGAAAAGGAAATGAAGAAAAGCCCCACGTCTCTAAAGGG
 AGACATACTACCTGTCAGACAGCCCTTGTCTGGGGCCCCCTGTGGGTGAGCCTCGGCTCT
 TGGCCTCTCCCCGGCCCTGCCAGCTCTGGTGCCAGGCCCGCCTACCCGGGCGCCGG
 GGCCTCCGACTCTGCTCATGCTTTGCCAGGGAATCATGCACTGCTCATGCTGCAAGTC
 AGGCAGCGACTCAGAGGAAGCCCGGACCAAATGCTGCTGCCTCGAGCGCCTCTGTTA
 GAGGAAGAAGCATCCCTGGGCTGCGGAGAAGCCCAAGAAAGAGATTCCAGCTAGTCTT
 CCAGGACAAAAATCCCAGCTGAGAAGGAATCCCACGGGATGTTCTCCCTGACAAACCTG
 CCCCAGGTGCTGCAATGTGCCGCCCGCGGAAGCCACTTGGGCCAGGGCAAGCGGGCGA
 TCCTGTTCACAAACAGTTGGGGCTGAAGAAGACCCTGTAAAAGCACCCGGCTCTACCA
 GCAATCTCGCAAGGAAGTCTCCTCGGGCCTGTTTGGAGCGGGGCATCCAGTGCCTGCA
 CATCCCCAGCAGTGGGCAAGCTAAATCAAGTGAATTTGCAAGTATTCTGCAAAATAGCT
 CCCGGCCTCTGTCAAACATCAGCAAGTCAGGCAGAATGGGACCCGCCATGCTGCGCCAG
 CTCTGCCTGCAGGCCCTGTGGGGCATCCTCCTGGCAGGCCAAGCGGGTTCGATGTTTCTG
 AGCTGGCAGCGGAGCAGCTCACGGCACCCCTCAGCATCCCCACCCAAACCCAGACTC
 CGGAAGTGGCGCCAGTGGCTGAACCTCAGTTGCGCTTGGTCAAGTCTTCTCAATTTGA
 ATAAGACTAGAAGTATCAGACGGCGAGATTCTGTCTAAATTTCAAGACAAGGTTATGC
 CTACTCTACAAATCAATTTAAAATTCCTAAGTTTTCTATTGGTACTCCCCGGACAGCT
 CAACACCAAAGCTTTTCGCGGGCACAGCGCCGAGTCTGTCACGTGAGTGGCAGGGTCA
 CTGTCCACAGCACCCCGTTAGACGCTCATCTGGGCCAGCACAAAGCCTGCTGAGCG
 CACGGCGTGTGTCAGCCTTGCCACACCCGCCAGCCGGCGCTGCTTGGCCTTCCACCGA
 TGACCCCCAAAACGATGCCAGGGCCGTGGGCTCTCCCTGTGTGTGCCAGCTCGGAGAC
 GTTCTCTGAGCCCCGAAGAACTCTGCAATGAGAAGTGAACCAACAAGGGAGAGCAACA
 GAAAGACAGATTCAGGCTGGTGGATGTGTCCCCTGACAGGGTCTCCTCCTTCCCGTG
 TGCTCAGGCACTTAACTTTTCTCCAGAGGAAAGCGATTCTACTTTCTCCAAAAGTACTG
 CCACAGAAGTAGCTCGGGAGGAAGCCAAGCCGGGTGGAGATGCAGCCCTAGTGAGGCTC
 TTCTTGTAGATATCAAATGGAACCACTCGCGTCACTCCAGATGCTGCAAGCCAGCCCC
 TCATTGACCTTCTCTCATCGACTTCTGCGATACCCAGAAAGCACAGTGGCTGTAGGAT
 CTGAAAGCAGGCCTCTGATCGACCTCATGACAAACACTCCAGACATGAATAAAAAATGTG
 CCAAACCTTACCAGGTGGTGGGACAGCTCATAGACCTGAGCTCCCTCTGATCCAGCTGA
 GCCCTGAGGCTGACAAGGAGAAGCTGGATTCCCCACTCCTCAAGTCTAAGCCGAACCAA
 ATCCTTTGCCTTGAAAGAACAGCCCTAAAGTGGTTTTCAACCCTCAGAAACAAGCTTTAG
 GCTGGTCGCAGTGGCTTACACTTGTAAACCCTAGAAGTGGGAGGCTGAGGTGGGCGGATT
 ACTTGAGCCAGGAGTTCGGGACCAGCCTGGGAAATATAGTAAAACCTCTGTCCCTACAA
 AAAGTACAAAAATTAGCCGGGTGTGGTAGTGCATGCCTGTAGTCCAGCTACTTGGGAGG
 CTGAAAGTGGGAGGATGGCCTGAGCTCAAGGAGATGCAGGCTGCAGTGGGCTGTGATTGTG
 CCACTGCACTCCAGCCTGGGCACCAATGTGAGAACCTGTCTTGGAAAAAAAAAAAAAAAAAG
 AAACATGTTTTAGTAGAAGTTTTATTTGAAAAAGAAAAAATAGCATAAATATATTTCCAG
 TGCTGGAGAGGGTGGGCTGAGGGACTGGGGCCAGCACGGACCACCAAGGCCCTCTGCTTC
 CCGCCGCCACCTCCTCGCTGCCATTCTCTGGGCTGGAATGTGAAGCCTCAGTCACTCTA
 AATGAAGAATTTCTTTTGAATGTTTGTATGTAATAAGCAAGTGGCTATTTTTAAAGT
 TAAGTTGTATAAATAGTTAGATATTCTAGATTTACATTAATTTGAAAAATAAATGGACT
 TATTGAAGCATAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

Please inquire

ACCN:	NM_016426
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_016426.4</u> , <u>NP_057510.2</u>
RefSeq Size:	3128 bp
RefSeq ORF:	2163 bp
Locus ID:	51512
UniProt ID:	<u>Q9NYZ3</u>
Cytogenetics:	22q13.31
Protein Families:	Druggable Genome
Protein Pathways:	p53 signaling pathway
Gene Summary:	The protein encoded by this gene is only expressed in the S and G2 phases of the cell cycle, where it colocalizes with cytoplasmic tubulin and microtubules. In response to DNA damage, the encoded protein accumulates in the nucleus and binds the tumor suppressor protein p53, shuttling it out of the nucleus and repressing its ability to induce apoptosis. [provided by RefSeq, Jul 2008]